- --37. The array of claim 1, wherein the compounds are arranged linearly on the support.
- 38. The array of claim 1, wherein at least one compound is present at at least two different positions on the support.
- 39. The array of claim 1, wherein at least two compounds are each present at at least two different positions on the support, successive occurrences of each compound being separated by a constant interval.
- 40. The array of claim 1, wherein at least one compound is present at at least three different positions on the support, successive occurrences of the compound being separated by a constant interval.
- 41. The array of claim 1, wherein all compounds are present at at least two different positions on the support, successive occurrences of each compound being separated by a constant interval.
- 42. The array of claim 1, wherein each different compound is present at only one position on the support.
- 43. The array of claim 1, wherein the support has at least two distinct portions and the array comprises at least a first synthesis product attached to a first portion and a second synthesis product attached to a second portion.
- 44. The array of claim 43, wherein one or both of said first and second synthesis products include a plurality of distinct chemical structures.